CW#75: Measuring & Constructing Angles

Geometry

Tuesday, Feb 2

Classroom Copy!! Do Not Write On!!!!!

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| ../../../../../Desktop/Screen%20Shot%202016-01-31%20at%2010.29.01%20AM%2 |
| ../../../../../Desktop/Screen%20Shot%202016-01-31%20at%2010.29.35%20AMYou Try! Directions: Trace the diagram in your notebook and extend the rays. Use a protractor ot find the measure of the given angle. Then classify the angle as *acute, obtuse, right, or straight*. |

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| Directions: Use a protractor to measure each angle to the nearest degree. | |
| 1. ../../../../../Desktop/Screen%20Shot%202016-01-20%20at%206.35.50%20PM | 1. ../../../../../Desktop/Screen%20Shot%202016-01-20%20at%206.35.47%20PM |
| 1. ../../../../../Desktop/Screen%20Shot%202016-01-20%20at%206.35.43%20PM | 1. ../../../../../Desktop/Screen%20Shot%202016-01-20%20at%206.35.39%20PM |
| 1. ../../../../../Desktop/Screen%20Shot%202016-01-31%20at%208.42.02%20AM | 1. ../../../../../Desktop/Screen%20Shot%202016-01-31%20at%208.41.59%20AM |

Using Protractors to Measure Range of Motion

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| Range of motion is the angle in which you can move different joints (like your elbow joint, knee joint, neck joint). Measure the following ranges of motion with your partner and calculate and average. | |
| 1. Partner #1: elbow joint range of motion. | 1. Partner #2: Elbow joint range of motion |
| 1. Average of partner 1 and partner 2 elbow joint range of motion. | 1. Partner #1: neck joint range of motion. |
| 1. Partner #2: neck joint range of motion. | 1. Average range of motion for neck joint. |

Constructing Angles

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| 1. Draw complementary angles so that one angle is 30 degrees. Label each angle with its measurement. Are the angles required to be adjacent? |
| 1. Draw vertical angles so that one angle is 55 degrees. Label each angle formed with its measurement. |
| 1. Draw a rectangle *ABCD* such that the width is 4 cm and the length is 7 cm. How can you make sure that each angle inside the rectangle is 90 degrees? |